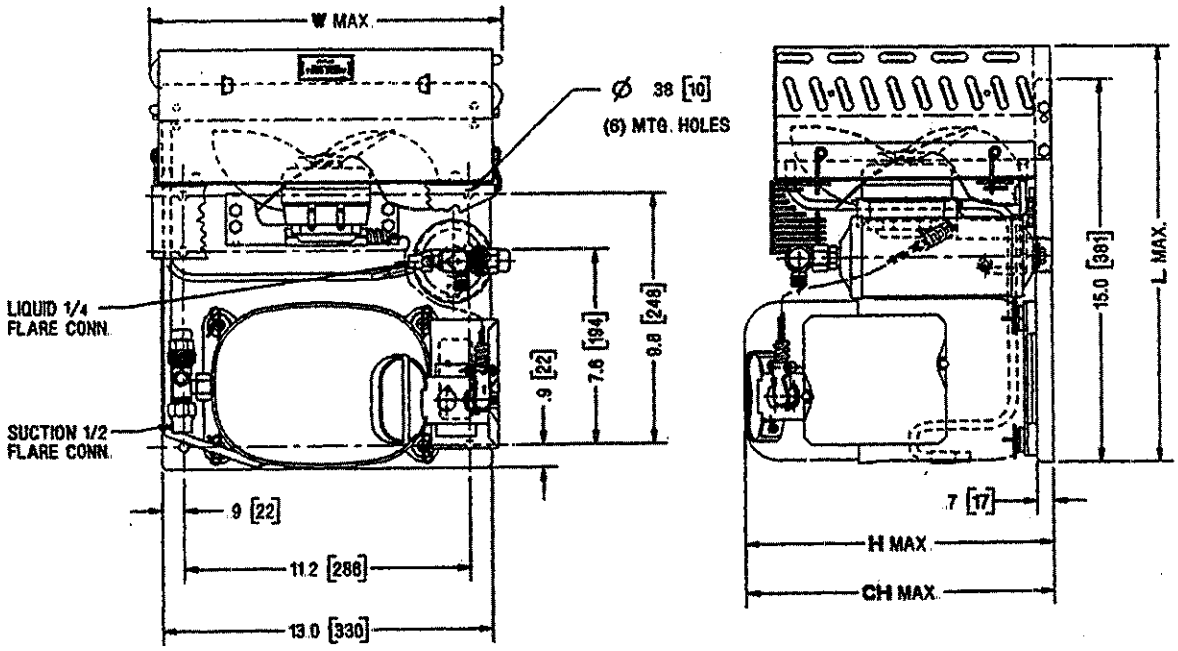
AJA2425AXDXC

Date: April 1, 1997

Revision 2003

TECUMSEH HERMETIC CONDENSING UNITS

MODEL AJA2425AXDXC (B/M 2B221-9) R-12 1/2 HP AIR COOLED



NOTE DIMENSIONS = INCHES (MILLIMETERS)

Model	Dimensions				*Line Connection		Pumpdown 90 ◦ F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AJA2425AXDXC	16.4	14.1	10.9	11.75	1/2 F	1/4 F	3.8#	350	22 AB	79

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 12 psig nitrogen - **MUST BE EVACUATED 60 HZ PERFORMANCE**

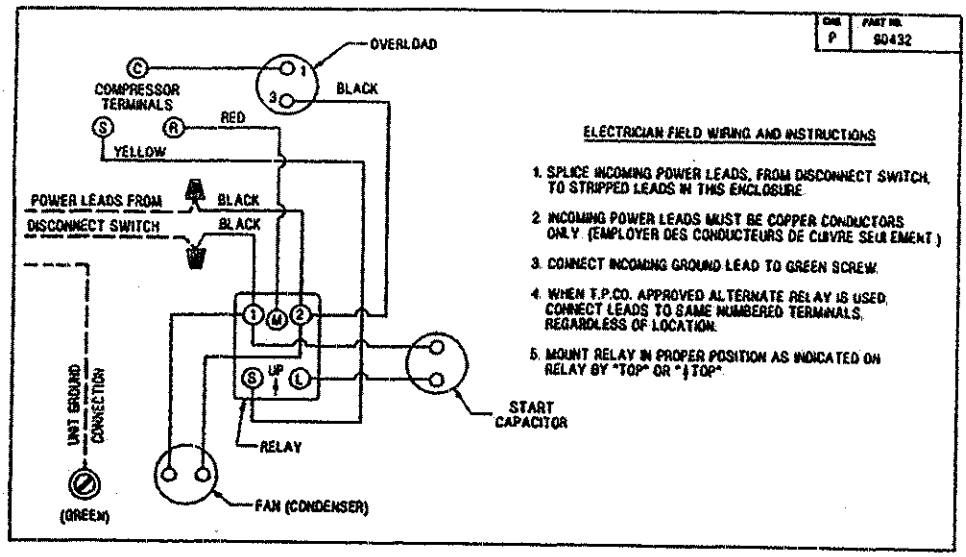
Approved Evap. Range		Ambient								
		90◦ F			100◦F			110◦ F		
◦F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-40	*11.0"	1175	490	116	1000	465	130	825	440	142
-30	*5.5"	1625	550	123	1500	540	137	1340	530	153
-20	0.6	2160	620	132	2000	620	146	1890	620	162
-10	4.5	2780	700	140	2600	710	155	2425	720	170
0	9.15	3400	790	150	3230	805	165	3050	820	180
+10	14.6	4160	900	162	3925	915	178	3725	930	192

* Inches of mercury below one atmosphere

Date: January 2003
Unit Catalog Update

SPECIFICATIONS	AJA2425AXDXC
Nominal Voltage	230/208-1
Unit B/M	2B221-9
Voltage Range	253 to 187
Min. Circuit Ampacity	5.7
Max. Fuse Size (Amps)	15
Compressor Model	**AJA2425AXD**
Comp. Bill of Material	AJ601FT-336
RLA/LRA	4.3/30.0
ESP Overload	P83988
ESP Relay	P82488-1
Electrical Box	AE1168-015
Start Capacitor	85PS220D02
Rating	72-88MFD/220V
Fan Motor (OEM)	810M009B47

Fan RLA	.27RLA
Replacement Motor	TFM92
Fan Motor Bracket	57153
Fan Blade	51564-1
Shroud	70766-1
Condenser	50803-1
Fan Guard	70785-2
Receiver Tank	51080-1
Receiver Tank Valve	31584-1 (1/4" F) RL
Suction Rotolock	31547-7 (1/2" F)
O' Ring Gasket	30334
Optional Outdoor Enclosure	TP-181D
Crankcase Heater (If Inc)	NA
Unit Drawing	SU1893
Schematic or Elect. Drawing	90432


DWG P
PART NO. 90432
OVERLOAD
COMPRESSOR TERMINALS
BLACK
RED
YELLOW
POWER LEADS FROM DISCONNECT SWITCH
BLACK
BLACK
UP
START CAPACITOR
RELAY
UNIT GROUND CONNECTION
(GREEN)
FAN (CONDENSER)
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1. SPLICE INCOMING POWER LEADS, FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.)
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T.P.CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5. MOUNT RELAY IN PROPER POSITION AS INDICATED ON RELAY BY "TOP" OR "↑ TOP"

Some parts listed may be optional or listed as replacement parts.